

IN THE CLAIMS

This listing of the claims replaces all prior listings.

Listing of Claims:

1. (Currently Amended) A battery, comprising:

a cathode;
an anode; and
an electrolyte,
wherein[[:]],

the anode has an anode collector and an anode active material layer which is provided on the anode collector and which is alloyed with the anode collector on at least a part of interface between the anode active material layer and the anode collector, and

the electrolyte contains an electrolyte solution containing ~~ethylene-carbonic-acid-ester~~
~~having unsaturated bonds~~ vinylethylene carbonate and an electrolytic salt.

2. (Currently Amended) A battery, comprising:

a cathode;
an anode; and
an electrolyte,
wherein[[:]],

the anode has an anode collector and an anode active material layer which is formed on the anode collector by at least one method from the group consisting of vapor-phase method, liquid phase method and sinter method, and

the electrolyte contains an electrolyte solution containing ~~ethylene-carbonic-acid-ester~~
~~having unsaturated bonds~~ vinylethylene carbonate and an electrolytic salt.

3. (Original) A battery according to claim 2, wherein the anode active material layer is alloyed with the anode collector on at least a part of interface between the anode active material layer and the anode collector.

4. (Currently Amended) A battery according to claim 2, wherein the anode active material layer includes at least one kind from the group consisting of ~~a simple substance~~ (Si) or tin (Sn) and compounds of silicon (Si) or tin (Sn).

5. (Currently Amended) A battery according to claim 2, wherein the electrolyte solution further contains ~~at least one of vinyl ethylene carbonate and~~ vinylene carbonate.

6. (Currently Amended) A battery according to claim 2, wherein a content of the ~~ethylene carbonate acid ester~~ vinylene carbonate in the electrolyte solution is from 0.1 wt% to 30 wt%.

7. (Original) A battery according to claim 2, wherein the electrolyte further includes a holding body polymeric material.

8. (Original) A battery according to claim 2, wherein film exterior members which house the cathode, the anode, and the electrolyte are further provided.

9. (Original) A battery according to claim 2, wherein the cathode contains a metal complex oxide including lithium.

10. (New) A battery according to claim 2, wherein the electrolyte solution further contains vinylene carbonate.

11. (New) A battery, comprising:

a cathode;
an anode; and
an electrolyte,
wherein,

the anode has an anode collector and an anode active material layer which is provided on the anode collector by at least one method from the group consisting of vapor-phase method and liquid-phase method, and

the electrolyte contains an electrolyte solution containing vinylene carbonate and an electrolyte salt,

wherein,

a content of the vinylene carbonate in the electrolyte solution is from 0.1 wt % to 30 wt %.

12. (New) A battery according to claim 11, wherein the anode active material layer is alloyed with the anode collector on at least a part of interface between the anode active material layer and the anode collector.

13. (New) A battery according to claim 11, wherein the anode active material layer includes at least one kind from the group consisting of (Si) or tin (Sn) and compounds of silicon (Si) or tin (Sn).

14. (New) A battery according to claim 11, wherein the electrolyte solution further includes a polymeric material.

15. (New) A battery according to claim 11, wherein film exterior members which house the cathode, the anode, and the electrolyte are further provided.

16. (New) A battery according to claim 11, wherein the cathode contains a metal complex oxide including lithium.